REMARKS

Submitted herewith is a copy of the Sequence Listing in computer readable form. I hereby state that the content of the paper and computer readable copies of the Sequence listing are the same. I also hereby state as required by 37 CFR § 1.821(h) that the computer readable copy submitted concurrently herewith contains no new matter, nor does it go beyond the disclosure of the application as filed.

Additionally, a marked up version of the specification is attached hereto and is captioned "Version with Markings to Show Changes Made to the Specification." The specification was amended to add sequence listing identification numbers to sequences that were already listed within the file.

If any questions persist, the Examiner is welcome to contact the applicant's attorney listed below.

Respectfully submitted,

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PATENT TRADEMARK OFFICE

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202, on March 21, 2002.

Susan E. Freedman
Date of Signature: March 21, 2002

Enclosures: Sequence listing
Diskette
Version with Markings to Show Changes Made

Version with Markings to Show Changes Made to the Specification

Construction of FUT3 antisense, sense, and control plasmids for stable transfection of HT-29LMM. The plasmid pcDNA3 (InVitrogen, Carlsbad, CA) was chosen for cloning and selection of FUT3 antisense, sense, and control constructs in HT-29LMM due to preliminary data showing high level expression of chloramphenicol acetyltransferase (CAT) in stable transfection experiments of parental HT-29 cells (data not shown). The CAT coding region (Pharmacia, Piscataway, NJ) was cloned in the sense orientation into the *Hind*III site of pcDNA-3 and served as control throughout expression studies. The plasmid pcDNA3-FUT3S was created by digestion of pFUT3 (R. Mollicone et al., J. Biol. Chem., *269:* 20987-20994, 1994) with *Xho*I and *Xba*I and directional cloning into pcDNA3. Likewise, pFUT3 was also digested with *Xho*I and *Hind*III, and the resulting fragment cloned in antisense orientation to the CMV promoter in pcDNA3, yielding the expression vector pcDNA3-FUT3AS. Finally, a truncated coding region antisense construct was created by amplification of FUT3 bp 733-1004 (J. Kukosawa-Latallo et al., Genes Devel., *4:*1288-1303, 1990) with the *Hind*III-containing primers *aagctt*CTGGCCTTCGAGAACTCCTTGCACC (upper strand, *Hind*III in lower case, SEQ ID NO: 25) and *aagctt*AGTGCCCACGTGAAGGAGCGAGGCC (lower strand, SEQ ID NO: 26). The resulting 272 bp fragment, which corresponds to the putative catalytic domain of FUT3 (*Id.*), was cloned in reverse orientation into the *Hind*III site of pcDNA3 to yield the vector pcDNA3-FUT3CD AS (data not shown).